

# SURVEYING ENGINEERING TECHNOLOGY, A.ENG.T.

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**Begin Campus:** Wilkes-Barre

**End Campus:** Wilkes-Barre

## Program Educational Objectives

The Associate Surveying Engineering Technology program prepares students with technical and professional skills for professional practice. Within three to five years of graduation, our Associate Surveying Engineering Technology graduates will have:

1. Demonstrated proficiency in applying basic principles and methods of surveying practice to perform surveys, analyze results, and assist in surveying and/or engineering design solutions.
2. Demonstrated proficiency in effectively articulating technical and non-technical concepts to diverse audiences through written, verbal, and graphical mediums.
3. Worked collaboratively within multidisciplinary teams, showcasing their ability to function as productive team members, respect diverse perspectives, and contribute to team success.
4. Engaged in continuous professional development, or further their education to pursue professional certification(s), or participating in professional organizations, to enhance their knowledge and skills and stay current in the field.

## Student Outcomes

Student outcomes describe what students are expected to know and be able to do by the time of graduation. The Associate Surveying Engineering Technology program is designed to enable students to:

1. Apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline.
2. Design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline.
3. Apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. Conduct standard tests, measurements, and experiments and to analyze and interpret the results.
5. Function effectively as a member of a technical team.